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Abstract

The invention relates to a method for the automated mounting of a plurality of add-on parts (3, 3') on a work piece (1), in particular on a vehicle body, wherein the add-on parts (3, 3') are to be attached to the work piece (1) in such a way that they are oriented with respect to one another in a precisely positioned fashion. Each add-on part (3, 3') is held here in a mounting tool (5, 5') which is guided by means of a robot (7, 7'). A sensor system (18, 18') which is permanently connected to the mounting tool (5, 5') and has at least one sensor (19, 19') is attached to at least one of the mounting tools (5, 5'). The mounting tools (5, 5') are moved, by means of an iterative closed-loop control process (A-2') using measured values of the sensors (19, 19'), into a preliminary position (23, 23') in which the add-on parts (3, 3') which are held in the mounting tools (5, 5') are oriented with respect to one another in a precisely positioned fashion. The mounting tools (5, 5') with the add-on parts (3, 3') which are held therein and are oriented with respect to one another in a precisely positioned fashion are then moved from the preliminary position (23, 23') into a mounting position (27, 27') with respect to the work piece (1), in which position they are connected to the work piece (1).

(Figure 1b)